

**FIG. 1**

The diagram illustrates the architecture of Heart Treatment Equipment 1, which is connected to a heart model (11). The equipment is divided into several functional blocks:

- Controller 19:** The central processing unit, receiving input from the Nerve Pulse Controller (16) and the Atrium Event Detector (5). It outputs to the Nerve Pulse Generator (7) and the Comparison Portion (23).
- Nerve Pulse Controller (16):** Receives input from the Nerve Pulse Generator (7) and outputs to the Comparison Portion (23).
- Atrium Event Detector (5):** Detects atrial events and outputs to the Comparison Portion (23) and the Atrioventricular Delay Time Measuring Portion (6).
- Atrioventricular Delay Time Measuring Portion (6):** Measures the delay time and outputs to the AVD Selector (22).
- AVD Selector (22):** Selects the appropriate AVD based on the input from the Comparison Portion (23) and the AVD Memory (20).
- Comparison Portion (23):** Compares the input from the Nerve Pulse Controller (16) and the Atrium Event Detector (5) to the AVD Selector (22) and the Ventricle Pulse Selector (18).
- Both Ventricle Continuous Stimulation Counter (25):** Counts the number of continuous stimulations and outputs to the Continuous Times Memory (24).
- Continuous Times Memory (24):** Stores the count from the counter and outputs to the Ventricle Pulse Selector (18).
- Ventricle Pulse Selector (18):** Selects the appropriate ventricle pulse based on the input from the Comparison Portion (23) and the Continuous Times Memory (24).
- Right Ventricle Pulse Generator (3):** Generates the right ventricle pulse based on the input from the Ventricle Pulse Selector (18) and the Right Ventricle Pulse Generator (12c).
- Left Ventricle Pulse Generator (4):** Generates the left ventricle pulse based on the input from the Ventricle Pulse Selector (18) and the Left Ventricle Pulse Generator (12b).
- RAVD Memory (20) and RLAVD Memory (21):** Store the Right Atrioventricular Delay Time (RAVD) and Left Atrioventricular Delay Time (RLAVD) respectively.
- Heart Model (11):** The heart model is connected to the equipment via leads 12a, 12b, and 12c. The heart model also includes a Nerve Pulse Generator (14) and a Nerve Pulse Controller (15).

The diagram shows the flow of data and control signals between these components, ensuring coordinated stimulation of the heart's ventricles.

*FIG. 2*

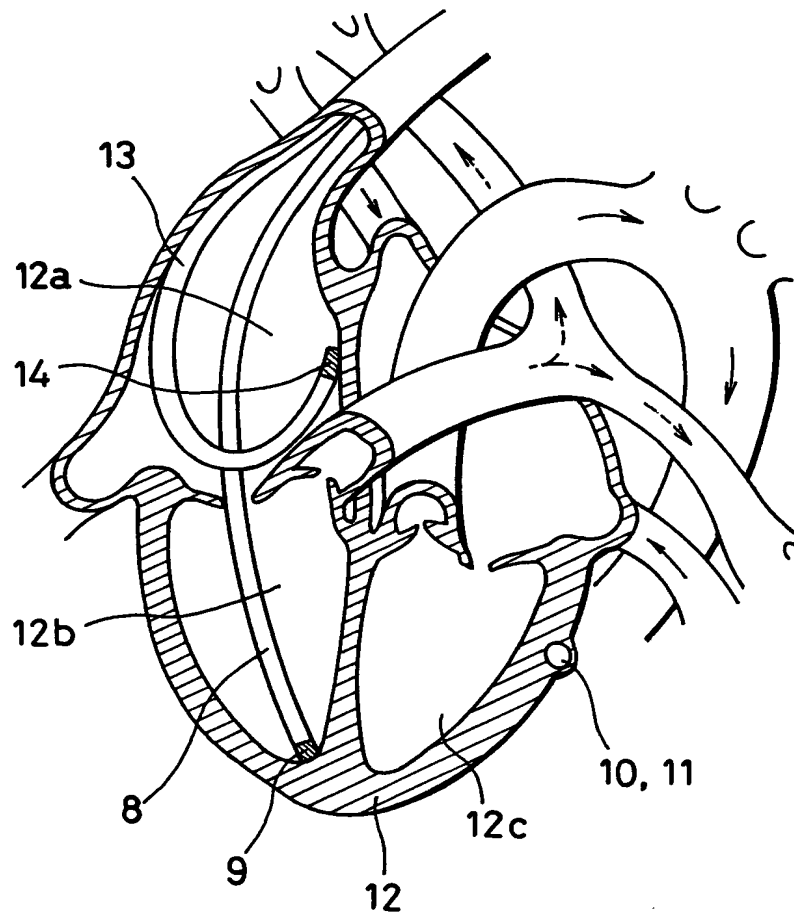


FIG. 3

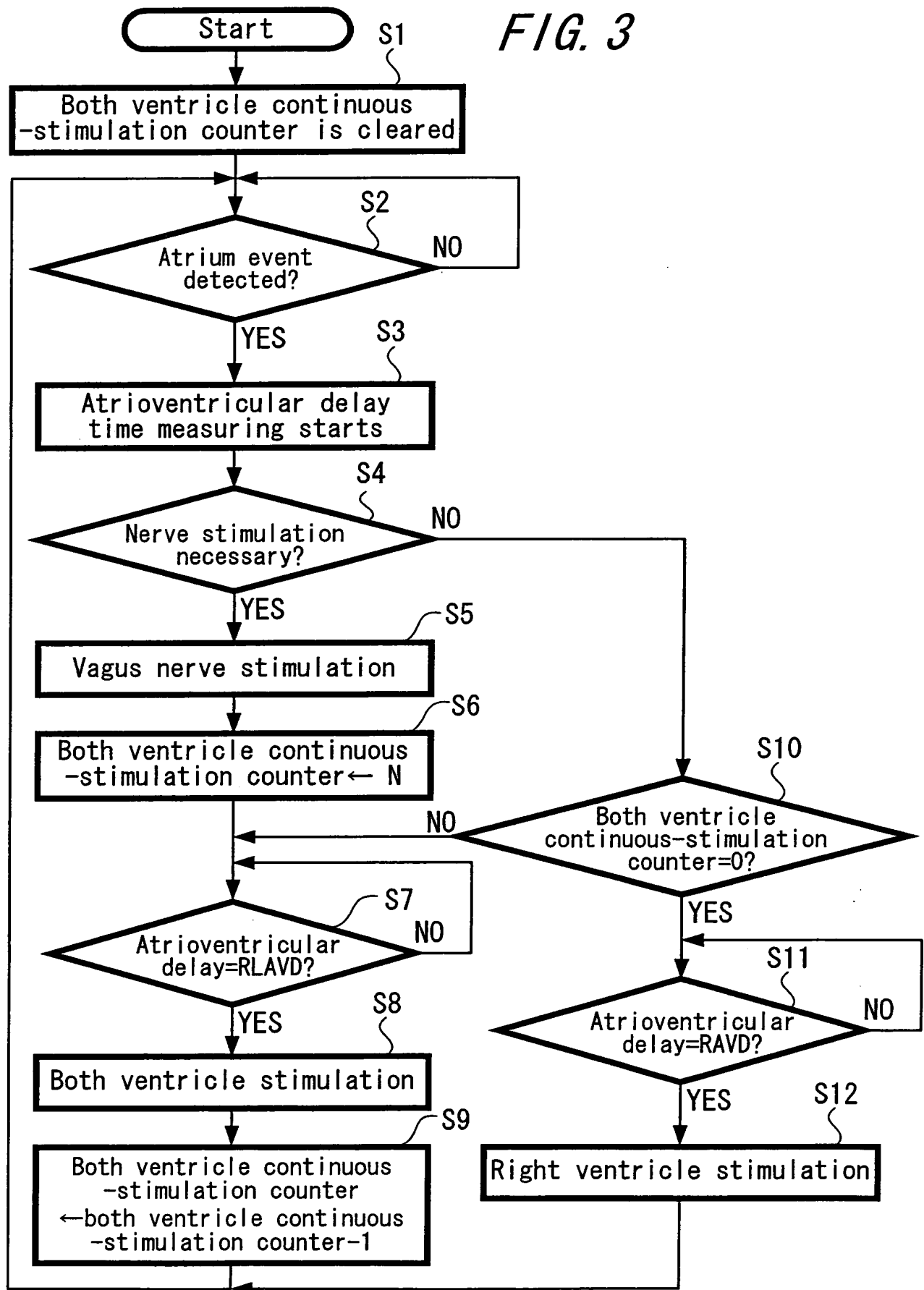
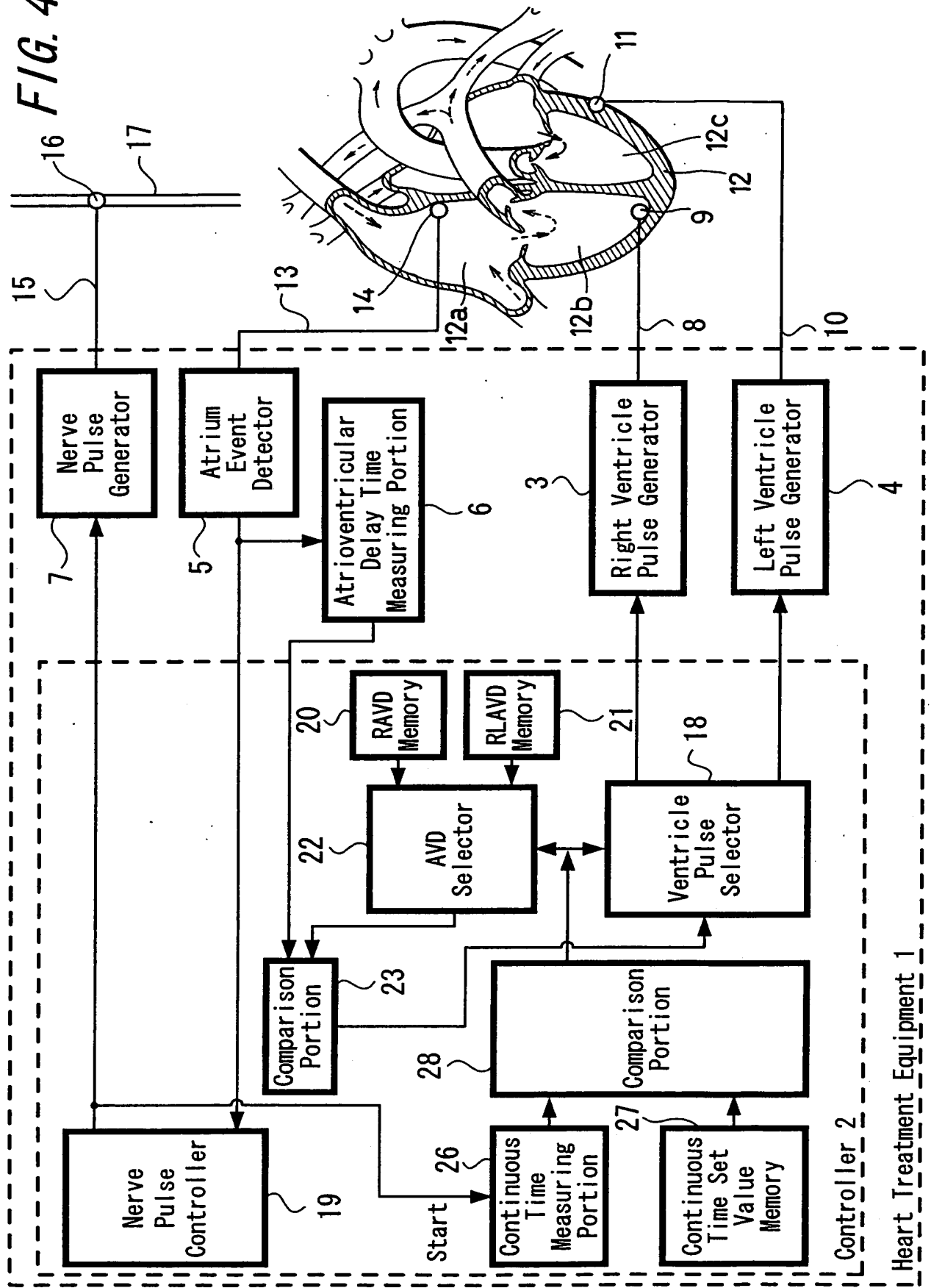


FIG. 4



*FIG. 5*

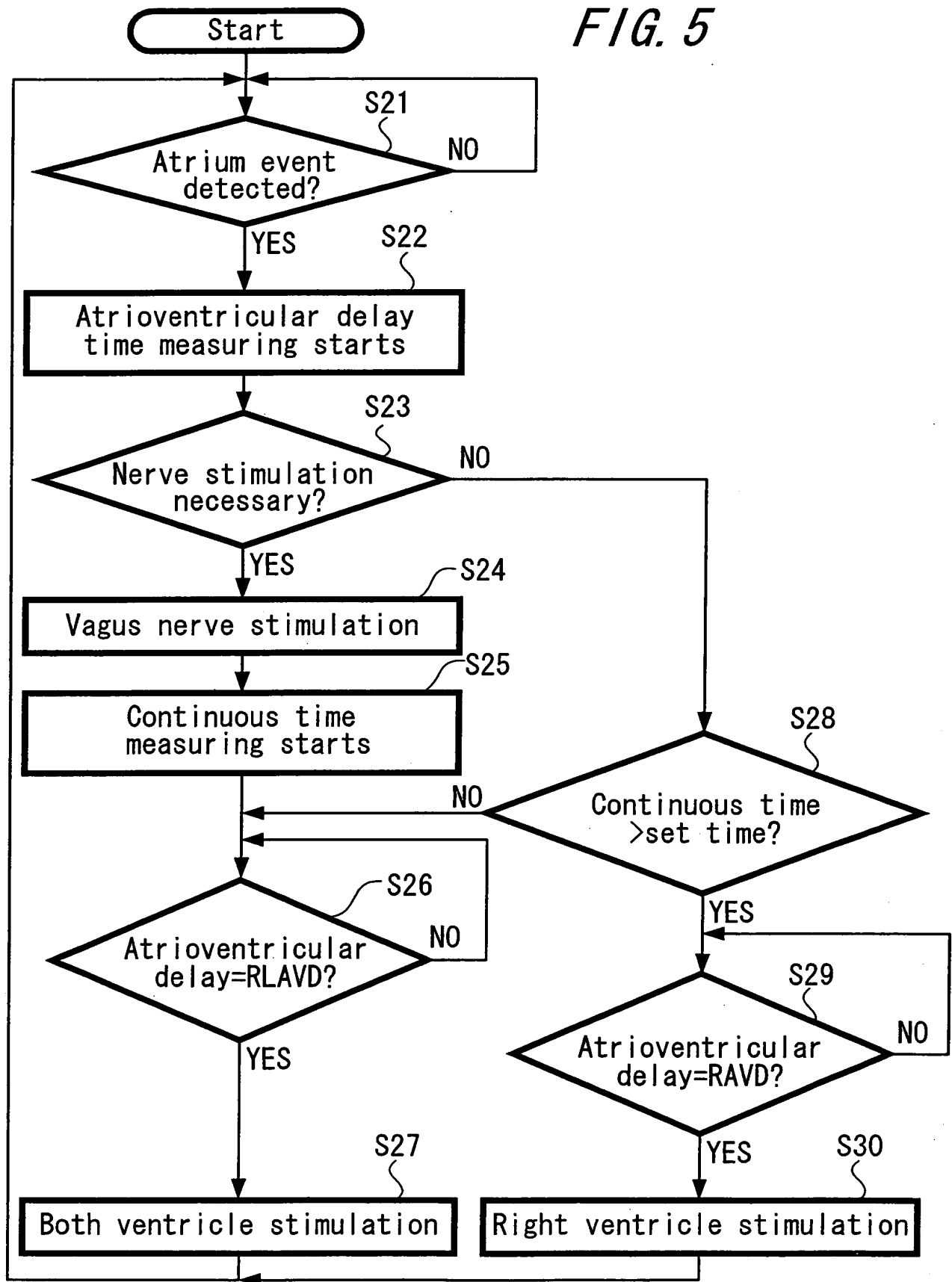


FIG. 6

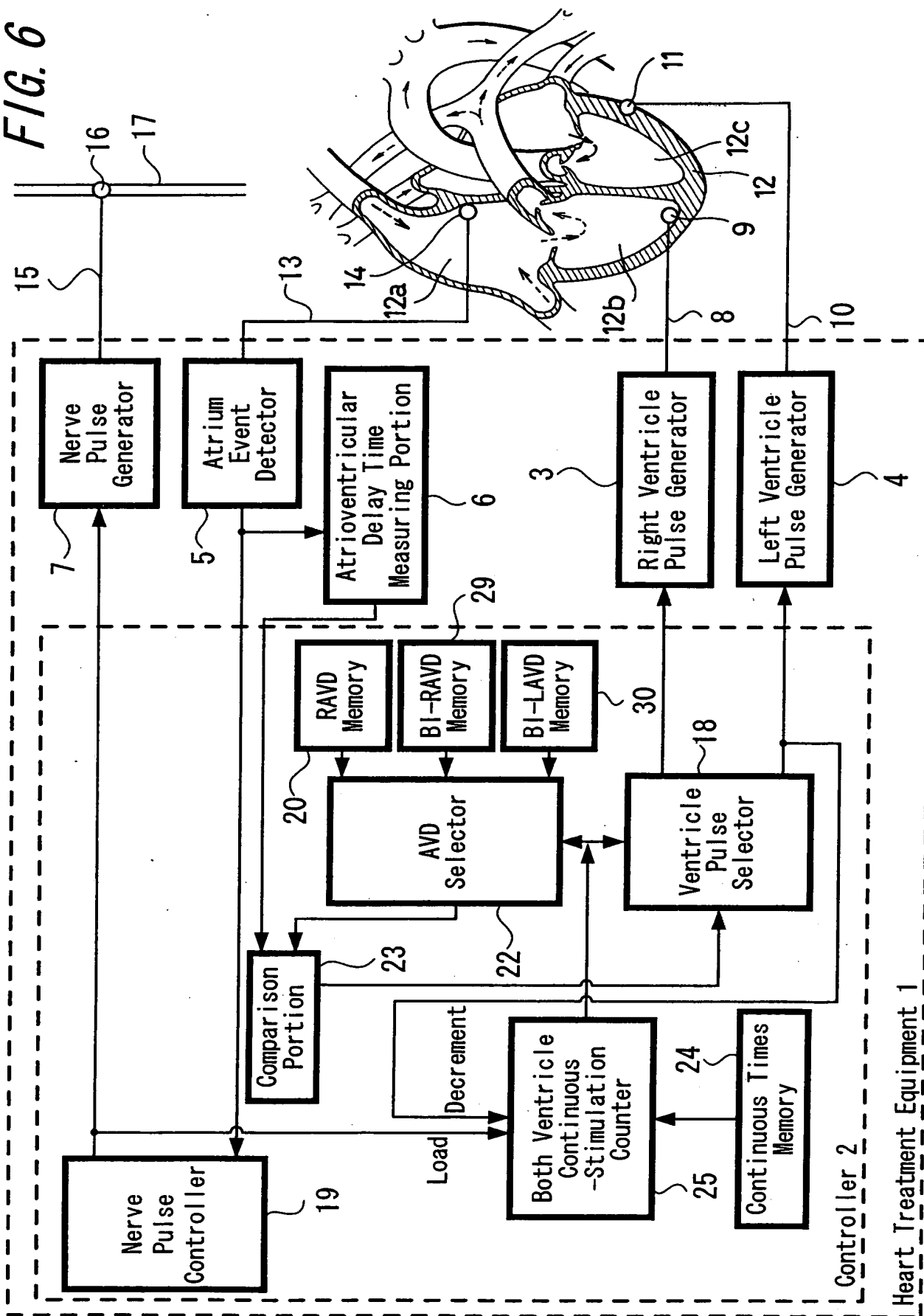


FIG. 7

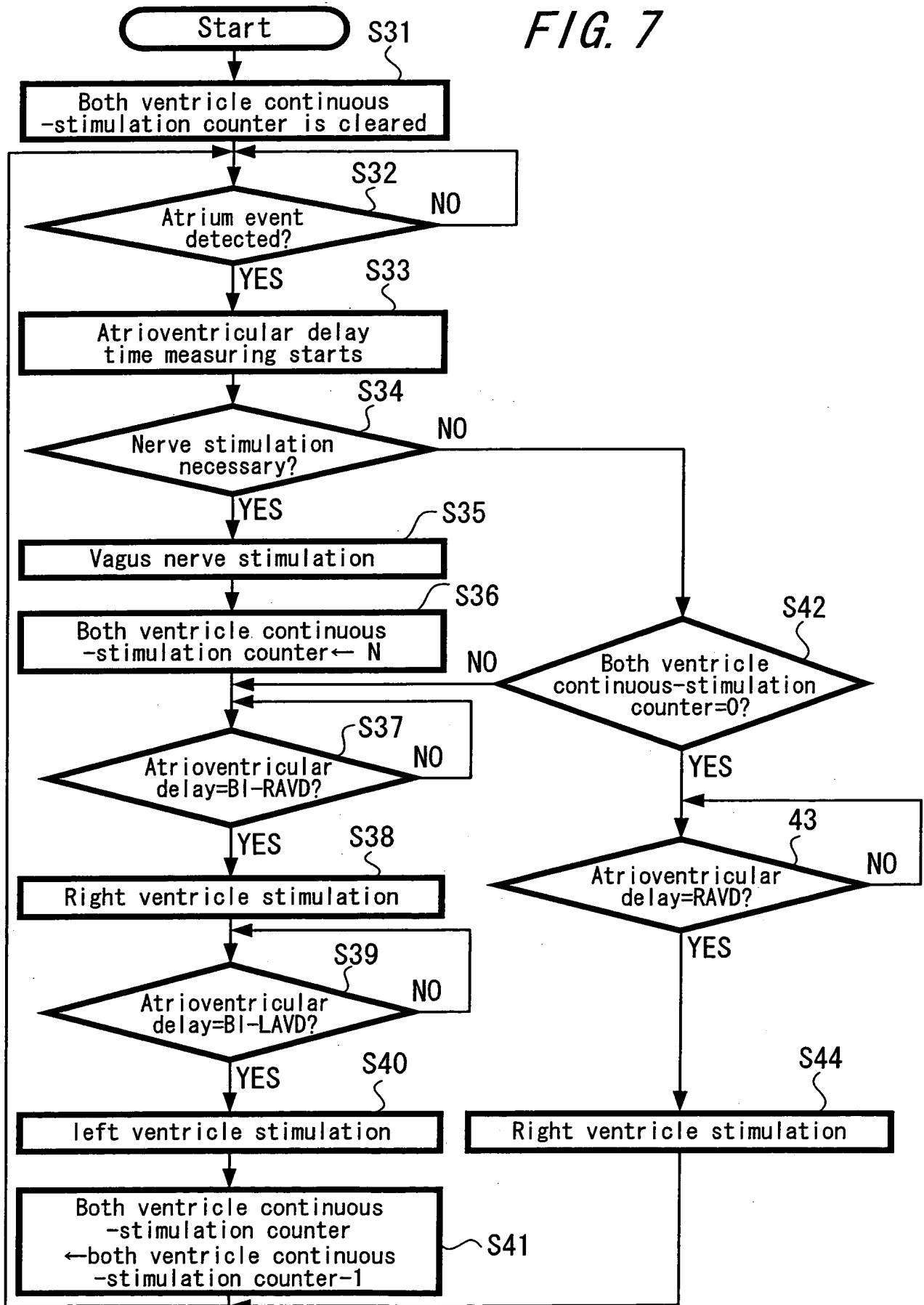
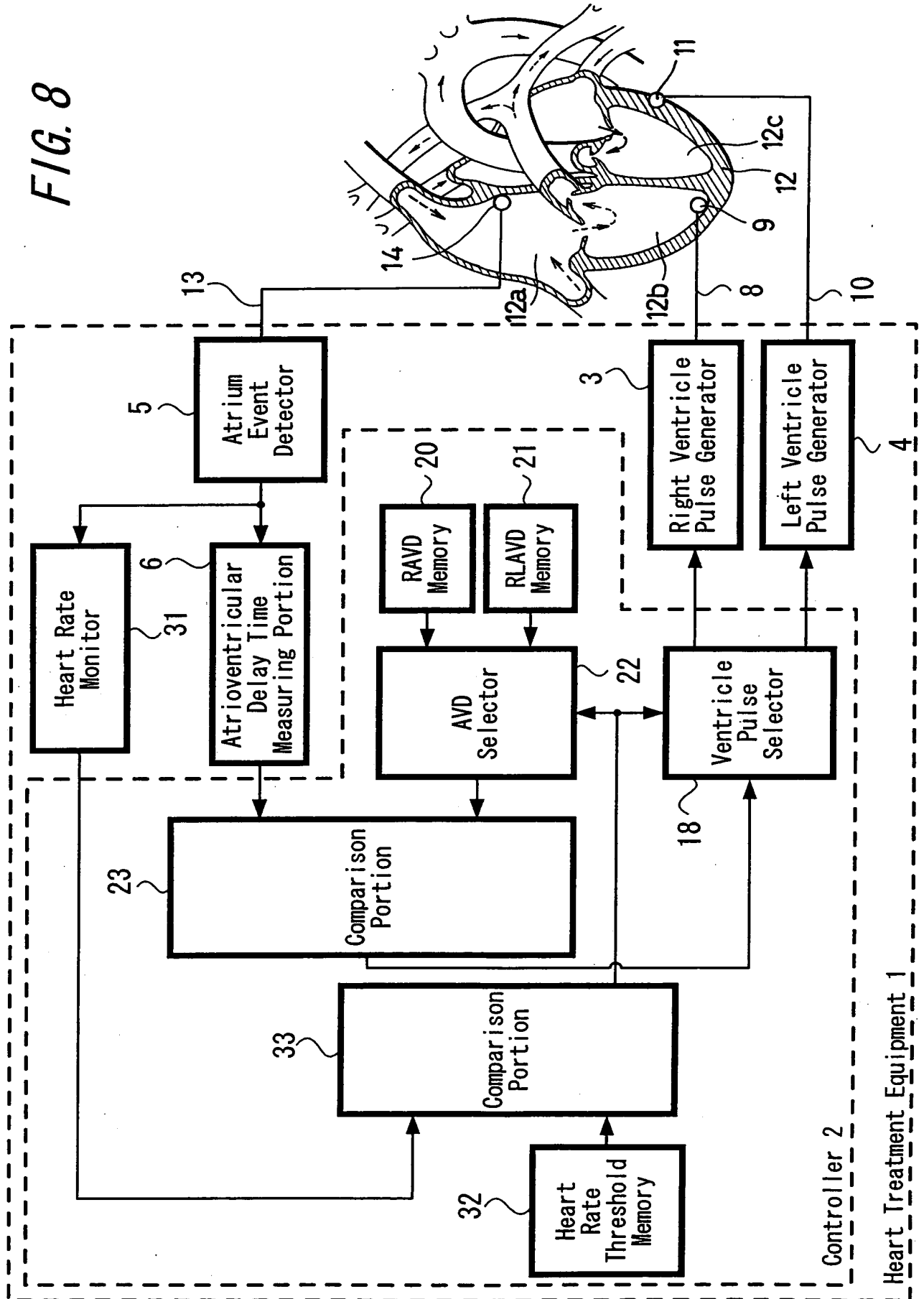


FIG. 8



*FIG. 9*

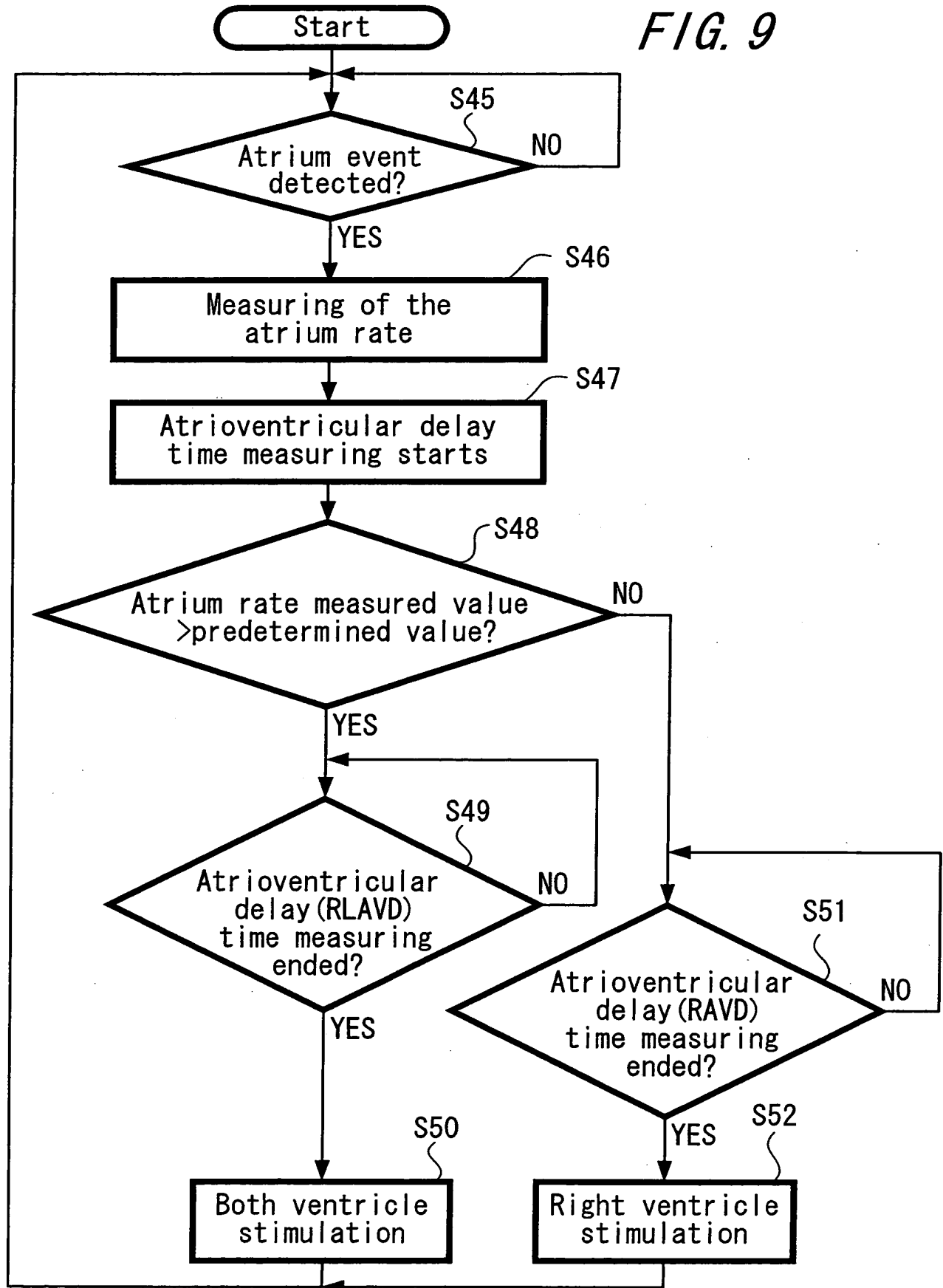
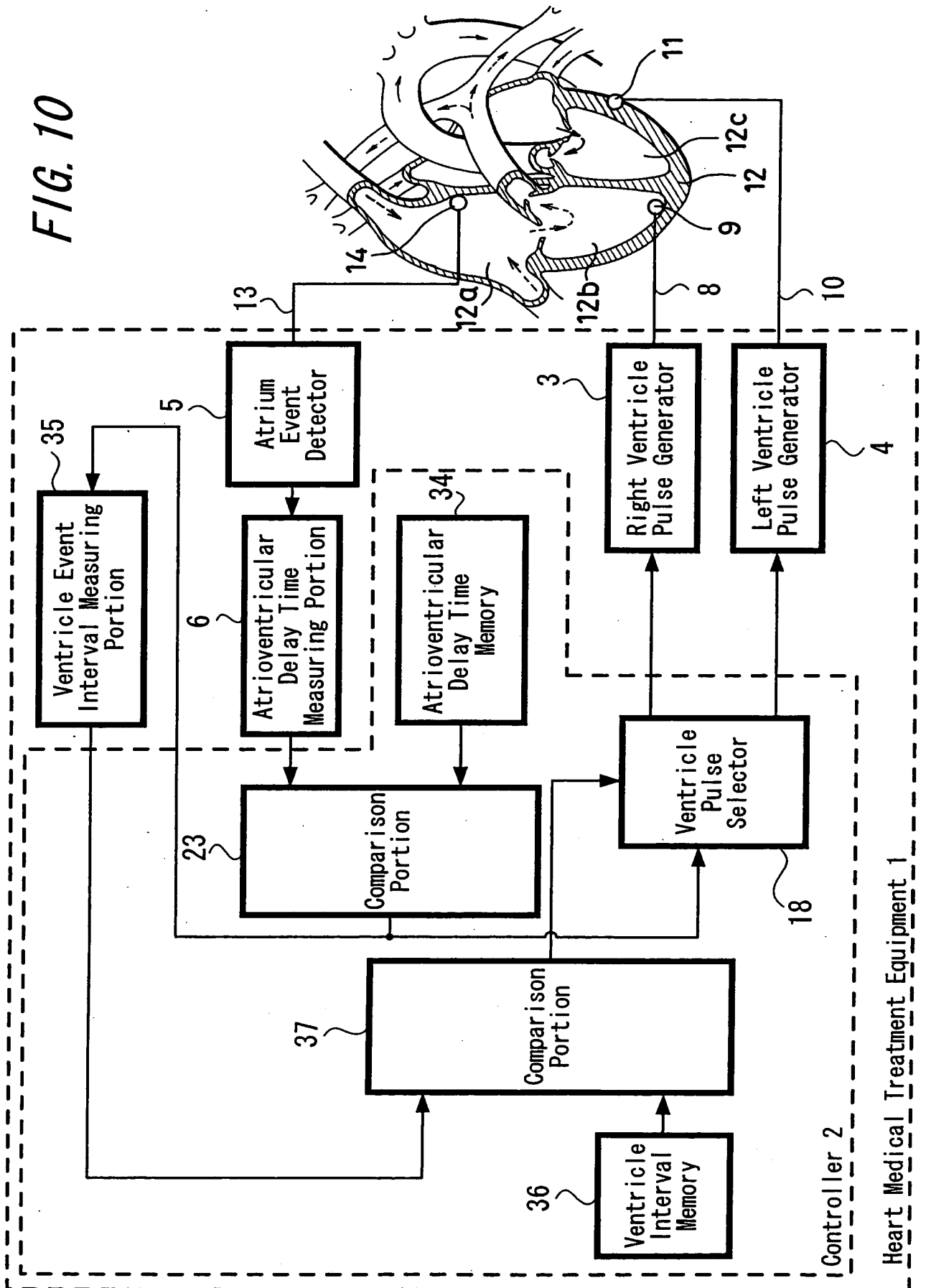


FIG. 10



*FIG. 11*

